

WHAT IS CLAIMED IS:

1. A communication assisting apparatus for mediating data transfer between a first data processing apparatus and a second data processing apparatus, comprising:

5 a first connection unit connected by wire with said first data processing apparatus, said first connection unit receiving data from said first data processing apparatus;

a memory for storing therein the data received by said first connection unit; and

10 a second connection unit connected by wireless with said second data processing apparatus, said second connection unit transmitting the data read out from said memory to said second data processing apparatus.

2. The communication assisting apparatus according to claim 1,
15 further comprising:

a processing section for reading out the data stored in said memory according to a state of communication with said second data processing apparatus.

3. The communication assisting apparatus according to claim 2,
20 wherein said processing section suspends data transfer of the data stored in said memory until communication with said second data processing apparatus is established.

4. The communication assisting apparatus according to claim 1,
wherein said second connection unit receives further data different
25 from the data stored in said memory, by wireless from said second data processing apparatus,

wherein said memory stores therein the further data received by said second connection unit, and

wherein said first connection unit transmits the further data read out from said memory to said first data processing apparatus.

5 5. The communication assisting apparatus according to claim 2, wherein said memory includes at least one of a rewritable non-volatile memory and a volatile memory.

6. The communication assisting apparatus according to claim 5, wherein said rewritable non-volatile memory stores environmental data for setting operating conditions which is used by said second data processing apparatus,

wherein said processing section further reads out the environmental data upon reading out the data stored in said memory, and

15 wherein said second connection unit transmits the environmental data read out by said processing section to said second data processing apparatus.

7. A communication system for performing data transfer a first data processing apparatus and a second data processing apparatus, comprising:

20 a first communication assisting apparatus connected by wire with said first data processing apparatus; and

a second communication assisting apparatus connected by wireless with said second data processing apparatus,

wherein said first communication assisting apparatus comprises:

25 a first wire connection unit for receiving data from said first data processing apparatus;

a first memory for storing the data received by said first wire connection unit; and

a first wireless connection unit connected by wireless with said second communication assisting apparatus, said first wireless connection
5 unit transmitting the data read out from said first memory to said second communication assisting apparatus, and

wherein said second communication assisting apparatus comprises:

a second wireless connection unit connected by wireless with said
10 first communication assisting apparatus, said second wireless connection unit receiving data from said first communication assisting apparatus;

a second memory for storing the data received by said second wireless connection unit; and

a second wire connection unit for transmitting the data read out
15 from said second memory to said second data processing apparatus.